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MARCH 19, 1999

SIEMENS CORPORATION  
ELSA KELLER  
INTELLECTUAL PROPERTY DEPARTMENT  
186 WOOD AVENUE SOUTH  
ISELIN, NJ 08830

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UNITED STATES PATENT AND TRADEMARK OFFICE INTELLECTUAL PROPERTY  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT DEPARTMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

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PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/30/1998

REEL/FRAME: 9617/0701  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

CARTER, GEORGE E. ✓

DOC DATE: 11/24/1998 ✓

## ASSIGNOR:

SHAFFER, SHMUEL ✓

DOC DATE: 11/25/1998 ✓

## ASSIGNEE:

SIEMENS INFORMATION AND  
COMMUNICATION NETWORKS, INC.  
900 BROKEN SOUND BOULEVARD  
BOCA RATON, FLORIDA 33487 ✓

SERIAL NUMBER: 09201344 ✓  
PATENT NUMBER:FILING DATE: 11/30/1998 ✓  
ISSUE DATE:

9617/0701 PAGE 2

SHARMALLA COATES, EXAMINER  
ASSIGNMENT-DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)		RECC 100917137		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Attorney Docket: 98 P 7943 US	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): George E. Carter and Shmuel Shaffer <i>MRD 11-30-98</i> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>Siemens Information and Communication Networks, Inc.</u> Street Address: <u>900 Broken Sound Boulevard</u> City: <u>Boca Raton</u> State: <u>FL</u> ZIP: <u>33487</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date(s): <u>November 24, 1998 and November 25, 1998, respectively</u>					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the application is/are: <u>November 23, 1998 and November 25, 1998, respectively</u> A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Elsa Keller</u> Internal Address: _____ <u>Siemens Corporation</u> <u>Intellectual Property Department</u> Street Address: <u>186 Wood Avenue South</u> City: <u>Iselin</u> State: <u>NJ</u> ZIP: <u>08830</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total Fee (37 CFR 3.41) ..... \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit Account No. <u>19-2179</u>			
DO NOT USE THIS SPACE					
9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  <u>Rosa S. Kim</u> <i>Rosa S. Kim</i> <u>11-30-98</u> Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: <u>3</u>					

12/07/1998 SBURHS 00000055 192179 09201344

01 FC:581

40.00 CH

**ASSIGNMENT**

For good and valuable consideration, We, George E. Carter, a U.S. citizen residing at 3655 Pruneridge, #249, Santa Clara, CA 95051, and Shmuel Shaffer, a U.C. citizen residing at 1211 Cowper Street Palo Alto, CA 94301,

Hereby sell, assign and transfer to Siemens Information and Communication Networks, Inc., a corporation of the State of Delaware, having a principal place of business at 900 Broken Sound Boulevard, Boca Raton, FL 33487, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent which was executed this date and is entitled:


**APPARATUS AND METHODS FOR INBAND PROTOCOL  
CORRECTION IN DISTRIBUTED OBJECT NETWORKING**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

## ACKNOWLEDGEMENTS



George E. Carter

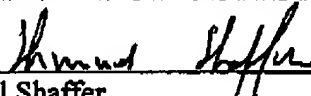
Witness No. 1:

By: Anna L. CarterDate: Nov. 24, 1998Printed Name: Anna L. Carter

Witness No. 2:

By: John H. CarterDate: Nov. 24, 1998Printed Name: John H. Carter

## ACKNOWLEDGEMENTS



Shmuel Shaffer

State of California )

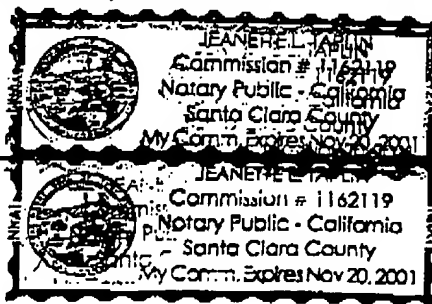
) ss.:

County of Santa Clara )

On this 25 day of November 1998, before me, Jeanette L. Taplin, Notary Public, personally appeared Shmuel Shaffer, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public





00P7662US01  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 02, 2001

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SIEMENS CORPORATION  
ELSA KELLER  
INTELLECTUAL PROPERTY DEPARTMENT  
186 WOOD AVENUE SOUTH  
ISELIN, NJ 08830

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ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/09/2001

REEL/FRAME: 011707/0398  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TRINKWALDER, FLORIAN

DOC DATE: 04/04/2001

ASSIGNOR:

CLARK, MARK E.

DOC DATE: 03/28/2001

ASSIGNOR:

SKRZYNSKI, MARK

DOC DATE: 03/28/2001

ASSIGNEE:

SIEMENS INFORMATION AND  
COMMUNICATION NETWORKS, INC.  
900 BROKEN SOUND PARKWAY  
INTELLECTUAL PROPERTY DEPARTMENT  
BOCA RATON, FLORIDA 33487

SERIAL NUMBER: 09745091  
PATENT NUMBER:FILING DATE: 12/19/2000  
ISSUE DATE:

011707/0398 PAGE 2

MARGARET LASALLE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

mm  
4.9.01

04-25-2001

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

# RECORDATION FORM COVER PATENTS ONLY



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Office

JS01

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Florian Trinkwalder, Mark E. Clark and Mark Skrzynski

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment

☐ Merger

Execution Date(s): April 4, 2001, March 28, 2001 and March 28, 2001 respectively

## 2. Name and address of receiving party(ies)

Name: SIEMENS INFORMATION AND COMMUNICATION NETWORKS, INC.

APR 9

Internal Address: Intellectual Property Department

Street Address: 900 Broken Sound Parkway

City: Boca Raton State FL ZIP: 33487

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
09/746,091

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Elsa Keller

Internal Address: \_\_\_\_\_

Siemens Corporation

Intellectual Property Department

Street Address: 186 Wood Avenue South

City: Iselin State: NJ ZIP: 08830

6. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41) ..... \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account.

## 8. Deposit Account No.

19-2179

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## 9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Heather S. Vance reg. no. 39,033  
Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

04/25/2001 6TON11 00000442 192179 09745091

01 FC:581

40.00 CH



Attorney Docket No.: 00 P 7662 US01

**ASSIGNMENT**

For good and valuable consideration, we Florian Twinkwalder residing at 530 Mansion Court #301, Santa Clara, CA 95054, citizen of Germany; Mark E. Clark residing at 2986 Little Rock Drive, San Jose, CA 95133, citizen of USA; and Mark Skrzynski residing at 1800 42nd Ave. Capitola, CA 95010, citizen of USA

Hereby sell, assign and transfer to **SIEMENS INFORMATION AND COMMUNICATION NETWORKS, INC.**, a corporation of the State of Delaware, having a principal place of business at 900 Broken Sound Parkway, Boca Raton, FL 33487, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which was assigned Serial No. 09/745,091; was filed on December 19, 2000 and is entitled:

**SYSTEM AND METHOD FOR ANALYZING AND GENERATING  
SUPPLEMENTARY SERVICE DATA UNITS IN PACKET BASED MULTIMEDIA  
COMMUNICATIONS SYSTEMS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Attorney Docket No.: 00 P 7662 US01

ACKNOWLEDGEMENTS

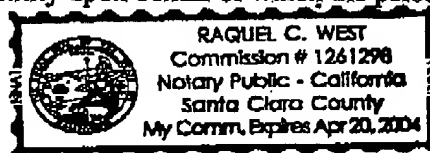
Florian Twinkwalder

State of California )  
 ) ss.:  
County of Santa Clara)

On this 4 day of April 2001, before me, Raquel C. West, Notary Public, personally appeared FLORIAN TWINKWALDER to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature of Notary Public

ACKNOWLEDGEMENTS

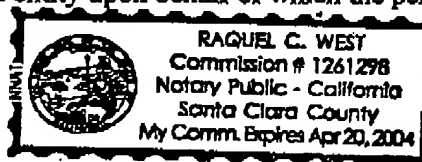
Mark E. Clark

State of California )  
 ) ss.:  
County of Santa Clara)

On this 28 day of March 2001, before me, Raquel C. West, Notary Public, personally appeared Mark E. Clark to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature of Notary Public



Attorney Docket No.: 00 P 7662 US01

## ACKNOWLEDGEMENTS

Mark Skrzynski

[illegible]

On this 28 day of March 2001, before me, Raquel C. West, Notary Public, personally appeared MARK SHERMAN to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

**WITNESS** my hand and official seal.

**Signature of Notary Public**

